

Assignment 1 – Latency and Throughput

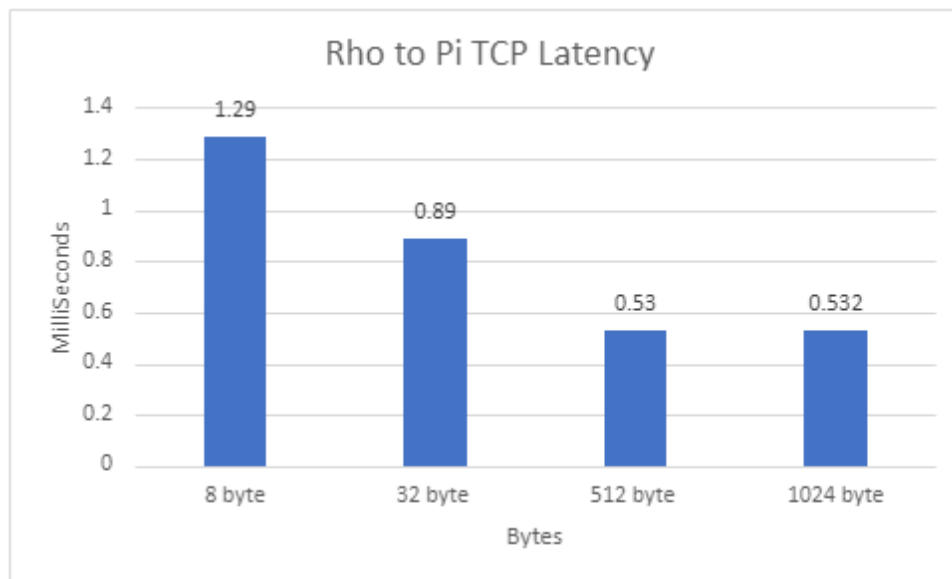
A CSC-445 Project

Abstract

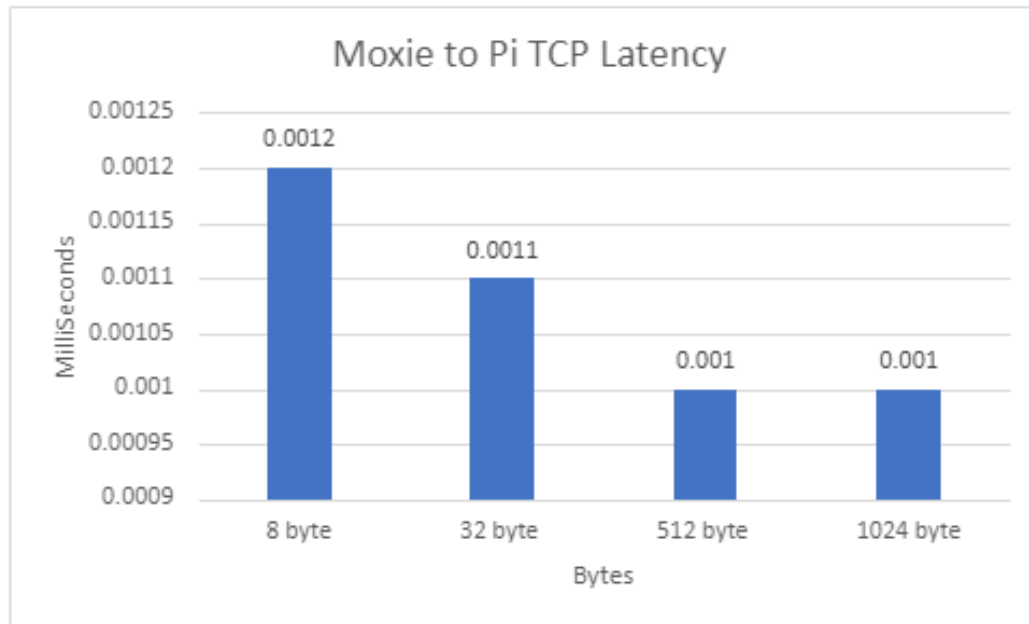
Assignment 1 involved testing the latency between different networks in TCP and UDP. The second part of this assignment involved testing the throughput of the same networks used for latency tests. The difference between latency and throughput is that latency is the time it takes for data to be transferred across networks. Throughput is the measurement of how much data can be transferred at one time measured, in this assignment, in Megabytes per second. This data transfer was validated by sending Long data that had been XoRed by a key between the recipients. The data was XoRed again in the server and sent back to show that it was properly decrypted..

TCP Latency Tests

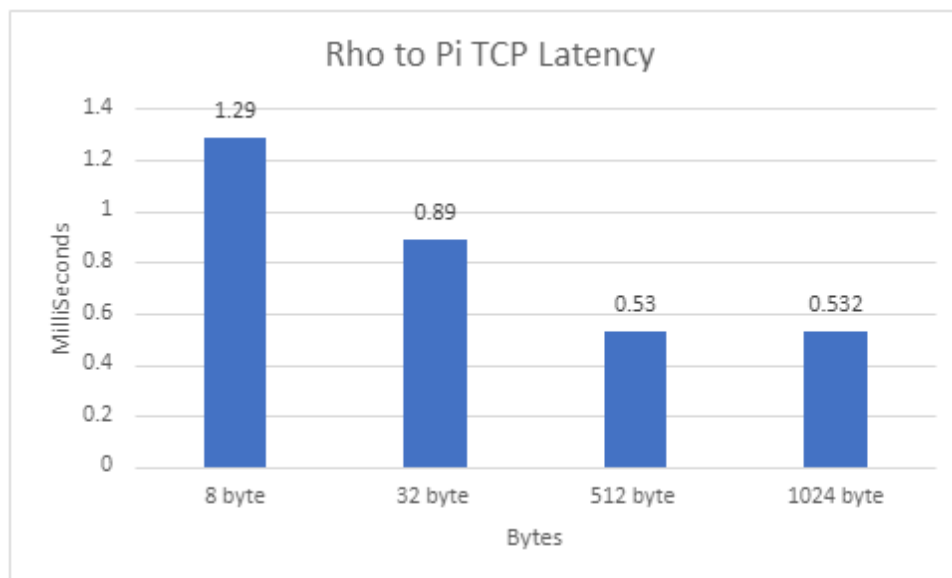
Rho -> Pi



Moxie -> Pi

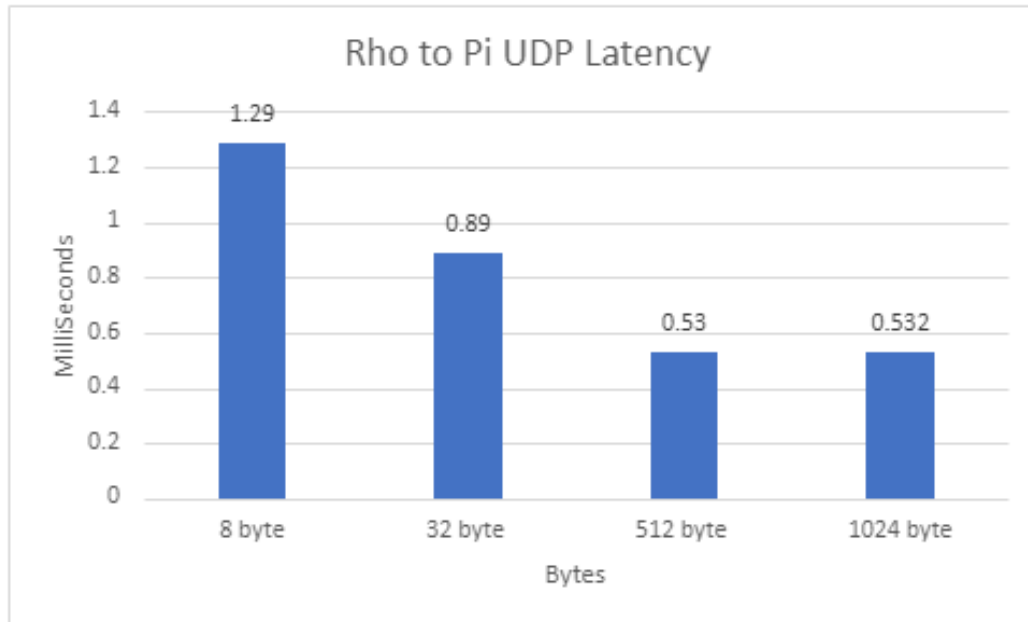


Home Laptop - > Pi

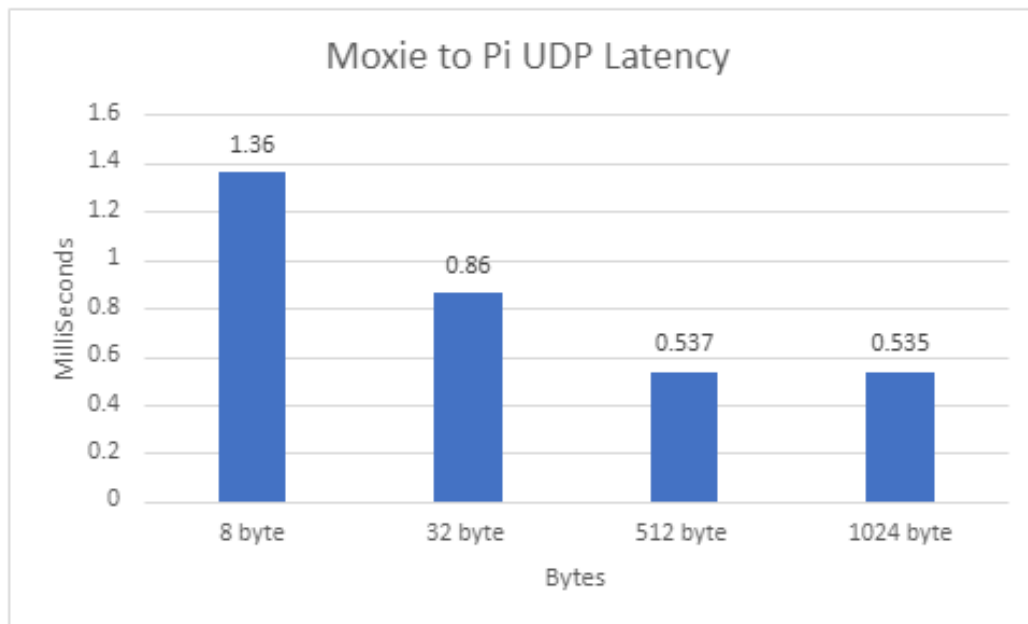


UDP Latency Tests

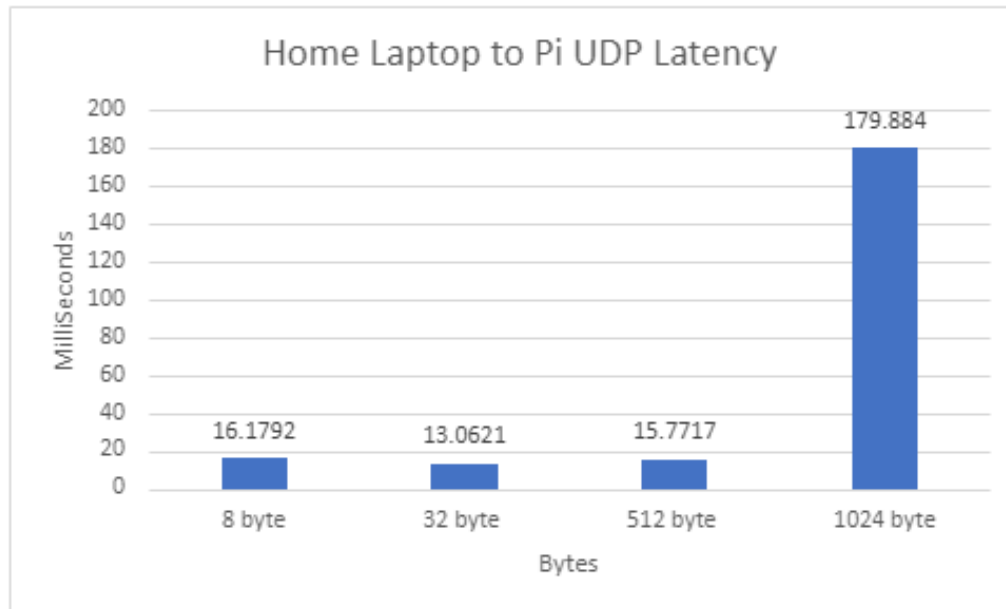
Rho -> Pi



Moxie -> Pi

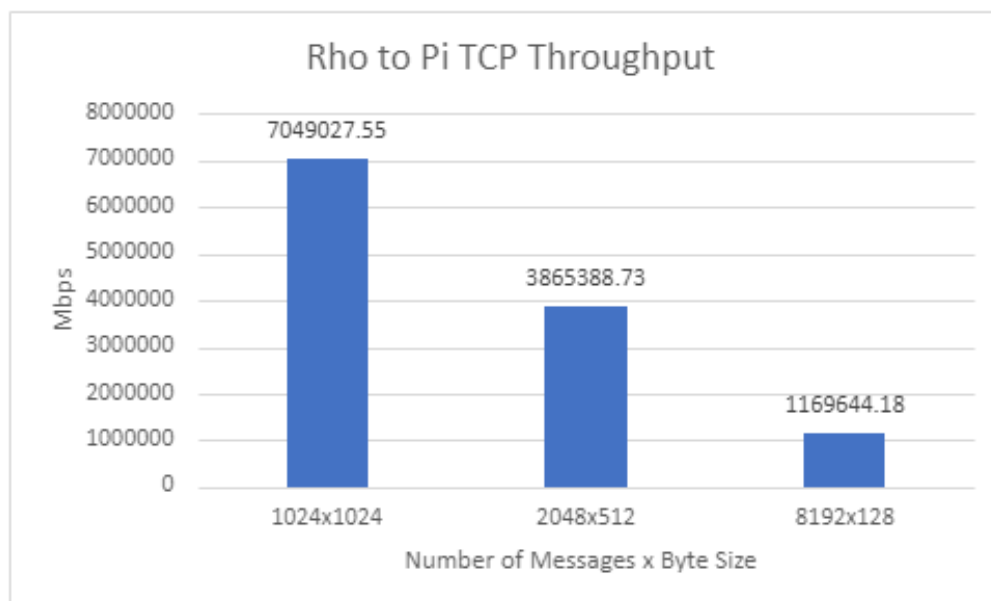


Home Laptop - > Pi

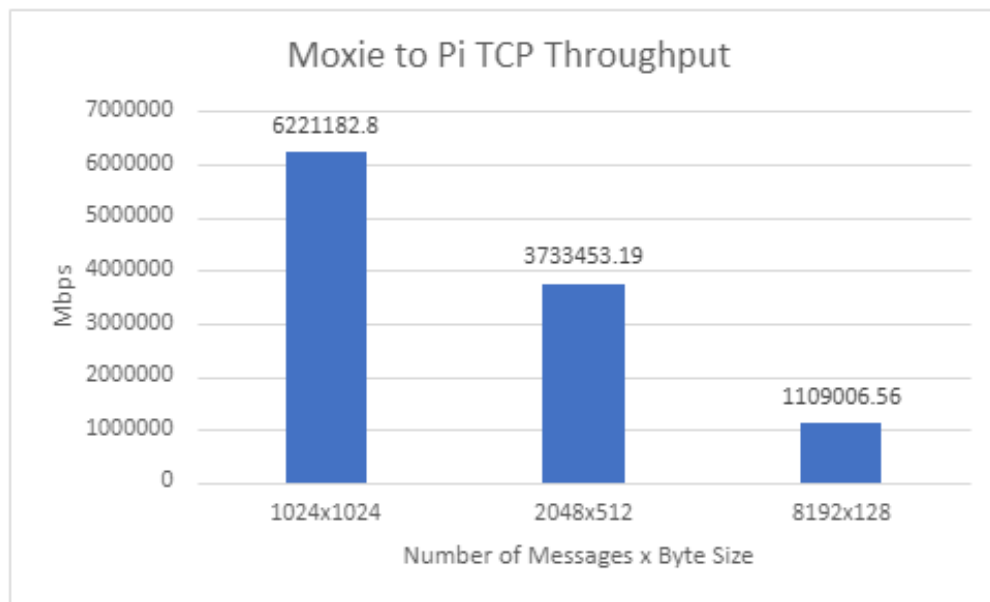


TCP Throughput Tests

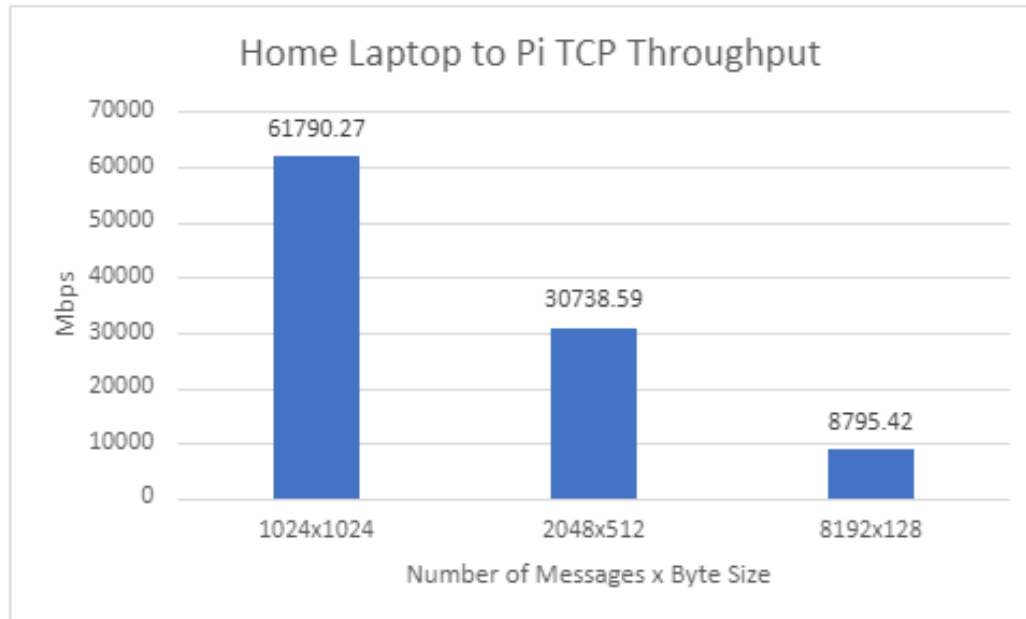
Rho -> Pi



Moxie -> Pi

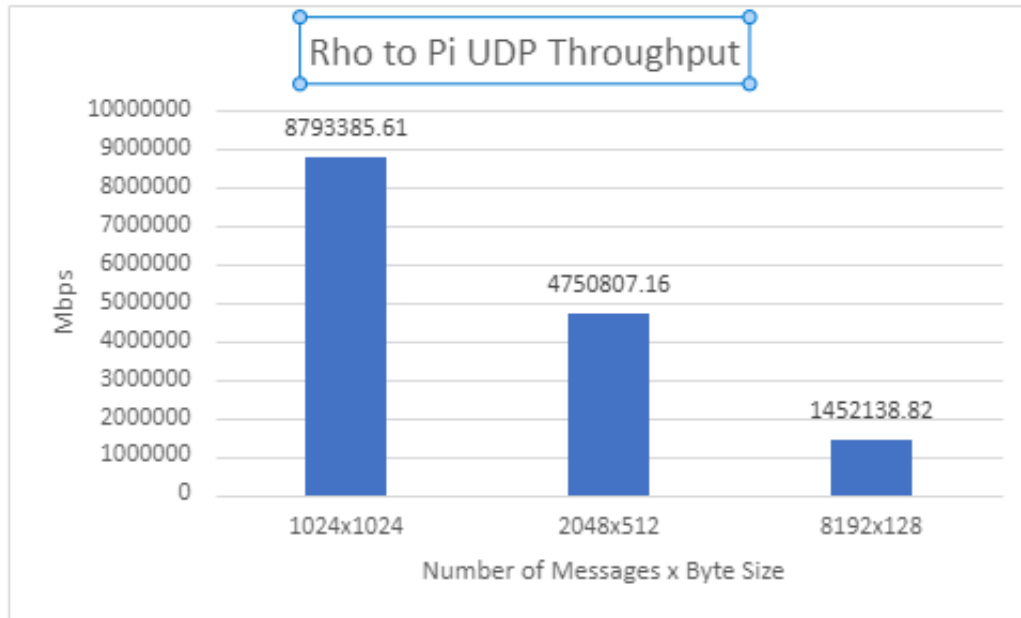


Home Laptop - > Pi

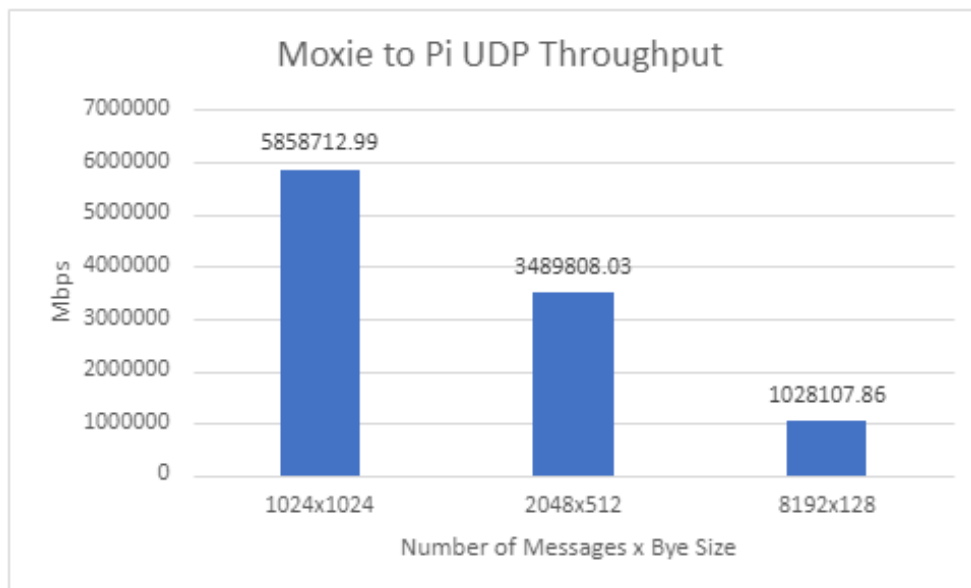


UDP Throughput Tests

Rho -> Pi



Moxie -> Pi



Home Laptop - > Pi

